

AFOLUX Multimedia Monitor Series

The AFL-26M/642M IP64 large screen display is highlighted by the 5-in-1 multi-video input interface designed to easily connect to almost any current PC, DVD player or other device. They are designed specifically to operate in a variety of outdoor or other harsh environments to provide outdoor advertisements, news or other pertinent information at train stations, subways, theme parks, retail stores, gas stations, cinemas and other outdoor venues.

> AFL-26M

FULL HD
1920x1200
SAW Touch

Power LED

IR
Light Sensor

> AFL-642M

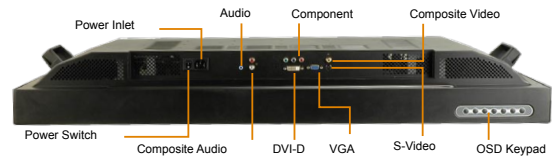
AR Coating



26"/42" Large Screen IP 64 Monitor Series

Features

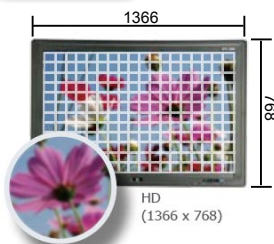
- 26" Full HD (1,920 x 1,200) resolution and 42" HD Ready (1366 x 768)
- Multiple Video /Audio Inputs : VGA/DVI/Component/S-Video/Composite
- Integrated two stereo speakers
- Optional 26" SAW touch panel with RS-232 Interface
- 42" anti-reflection tempered Glass for added protection
- Infrared remote control (OSD) and software OSD support
- Picture-in-Picture (5-position, 3-size)
- Intelligent Light Sensor
- VESA compliant mounting holes designed
- IP 64 Front Panel Compliance



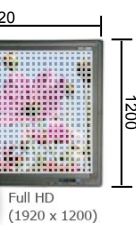
High Quality Display Image

FULL HD
1920x1200

- Full HD 1,080 Delivers the Finest Display Image (For 42" Monitor Series)



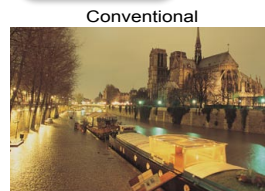
HD
(1366 x 768)



Full HD
(1920 x 1200)

High Contrast
1500:1

- 1500:1 Super High Contrast ratio offers Greater Legibility (For 26" / 42" Monitor Series)



Conventional



1500:1

Viewing Angles
178°

- 178° Super Wide Viewing Angle provides the Most Vibrant Images (For 26" Monitor Series)



Conventional



178° Super Wide Viewing

Decrease contrast from the side viewing

Anti-Reflection Tempered Glass

- Clear Image by Low Reflection (For 26"/42" Tempered Glass Modes)

AFOLUX tempered glass series used 4 layer hard coating to reduce the sunlight reflected from the surface of the panel, increase contrast ratio and image readability even when used in outdoor.



Conventional

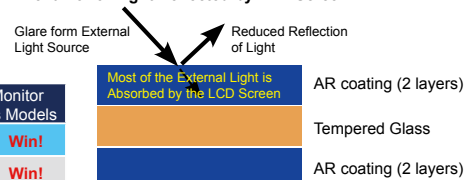


With AR Coating

- Reduced intensity of reflected light
- No image distortion
- Higher contrast
- Wider viewing angles
- Colors are more vibrant

	Conventional Monitor	AFOLUX PPC/Monitor Tempered Glass Models
Transmission	90%	96±3% Win!
Reflection	9%	Less than 3% Win!

Behavior of Light Reflected by LCD Screen

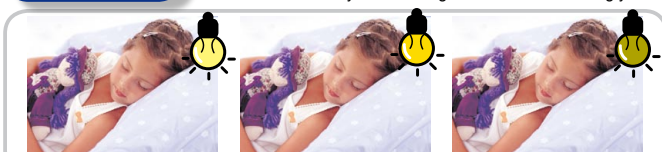


Intelligent Light Sensor

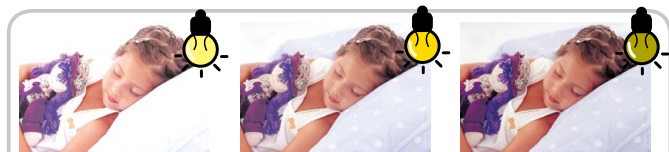
- Intelligent Light Sensor

Intelligently adjusts the screen brightness to match the ambient light in a room, ensuring a comfortable viewing experience. In a dim room, for example, the screen automatically reduces brightness to avoid staining your eyes.

- Reduces cost of operation by reducing the power usage
- Extends backlight life
- Provides comfortable viewing



Typical Monitor



With Intelligent Light Sensor

1

Application Server Platform

2

Single Board Computer

3

IBX Series POS PC

4

AFOLUX POS Panel PC

5

Video Capture Card

6

KAMIO RISC

7

IOVU Open HMI

8

VITO Universal Controller

9

DINO BLADE

10

LCD Product Series

11

Embedded System

12

Industrial Computer Chassis

13

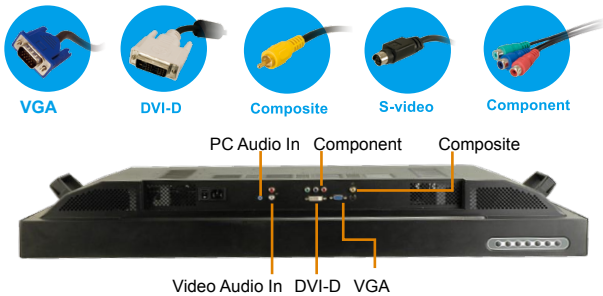
Power Supply

14

Peripherals

Convenience

■ **Multiple input choices: DVI/VGA/Component/Composite/S-Video**
AFL-26M/642M are highlighted by their multiple video input interfaces. The 5-in-1 input interface includes VGA, DVI-D, Component Video, Composite and S-Video video input interfaces, that easily connects to most PCs, embedded systems, DVD players and other devices and could adapt more appliance requirement.



■ PIP (Picture in Picture)

Toggle switches between PIP and side-by-side (aspect) from 5 video signals.

Sub Picture						
		DVI	VGA	Component	RCA	S-Video
Main Picture	DVI-D	V	V	V	V	V
	VGA	V	V	-	V	V
	Component	V	-	V	V	V
	RCA	V	V	V	V	-
	S-Video	V	V	V	-	V

Three Size



Five Position



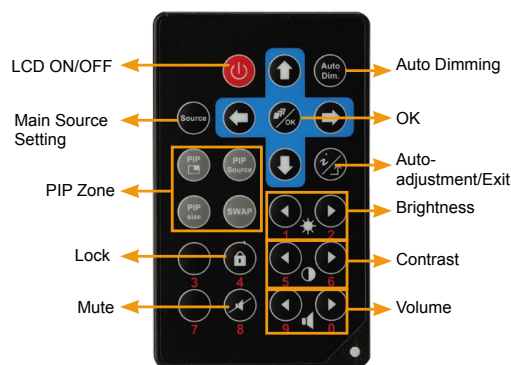
OSD Control

■ **Intelligently adjusts the screen brightness to match the ambient light in a room, ensuring a comfortable viewing experience.** In a dim room, for example, the screen automatically reduces brightness to avoid staining your eyes.

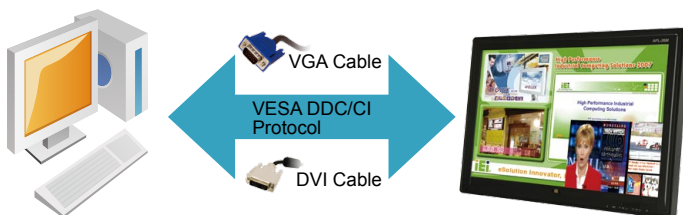
1 Keypad



2 Remote Control



3 Software Control



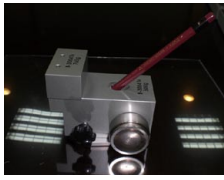
Remote Control Monitor Setting from Software

- EDID Reading
- Image/Color/Display Setting
- Power Management
- OSD Lock/Unlock
- PIP Functions

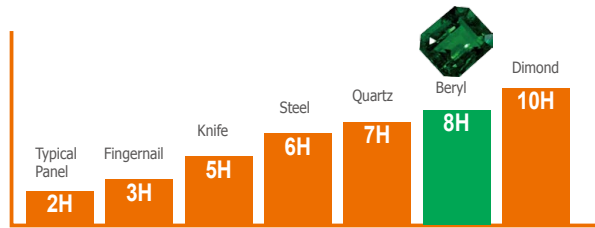
Durable (For Tempered Glass Protection Models)

8H Stronger Protection

IEI AFOLUX tempered glass monitor's 8H hardness through strict testing is stronger than the conventional panel and therefore is able to protect the screen from damage, offers protection solutions for a wide variety of applications.



Hardness Test (JIS-K5600)



MOH's Hardness Rating

Solid SAW Touch Panel (26" Monitor Optional)

Touch Screen Technology			
	Resistive	Surface Capacitive	SAW
Sensing method	Hand or stylus	Hand	Hand & Gloved Hand
Sensing Medium	ITO film or glass	ITO glass	Glass
Transmittance degree	80%~90%	90% above	92% above WIN!
Touch accuracy	Good	Normal	Excellent WIN!
# of touches in lifetime (mn)	35	200	100
Strength	Waterproof, dirt-proof	Fireproof, dirt-proof, not easily scratches, Long life	Fireproof, high reliability, not easily scratches, Long life
Weakness	Easily scratched	Easily affected by EMI	-



Durable SAW touch screen made of pure glass construction

IEI Quick Mounting Technology

IEI AFOLUX tempered glass monitor's 8H hardness through strict testing is stronger than the conventional panel and therefore is able to protect the screen from damage, offers protection solutions for a wide variety of applications.

Life Stand
STAND-A26-R10Wall Arms
ARM-50-R10Wall Mounts
WK-80-R10Ceiling Mounts
CEILMT-135-R10Mobile Mounts
STAND-M100-R10

	STAND-A26-R10	ARM-50-R10	WK-80-R10	CEILMT-135-R10	STAND-M100-R10
Weight Capacity	7.3~16.3 kg	< 50 Kg	< 80 Kg	< 135 Kg	<100 Kg
Monitor Swivel	0 °	20°	0 °	20 °	0 °
Swivel (Left / Right)	0 °	360 °	0 °	180 °	0 °
Pivot (Up / Down)	+25°/-5	45 °	0 °	20 °	0 °
Mounting	VESA 75mm x 75mm VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm	VESA 75mm x 75mm VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm	VESA 75mm x 75mm VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm	VESA 400mm x 200mm VESA 400mm x 400mm	VESA 100mm x 100mm VESA 200mm x 100mm VESA 200mm x 200mm VESA 400mm x 200mm VESA 400mm x 400mm

Mounting Kits		Model	
		26" LCD	42" LCD
WALL MOUNTS		WK-80-R10	
WALL ARMS		ARM-50-R10	
Stand	Desktop	STAND-A26-R10	N/A
	Mobile	STAND-M100-R10	
Ceiling Mount Kit		CEILMT-135-R10	

1
Application
Server
Platform2
Single
Board
Computer3
IBX Series
POS PC4
AFOLUX
POS
Panel PC5
Video
Capture
Card6
KAMIO
RISC7
IOVU
Open HMI8
VITO
Universal
Controller9
DINO
BLADE10
LCD
Product
Series11
Embedded
System12
Industrial
Computer
Chassis13
Power
Supply14
Peripherals

Specifications

Model Name		AFL-26M	AFL-642M
Display	Screen Size	26" (16:10)	42" (16:9)
	Display Resolution	1920 x 1200(WUXGA)	1366 x 768(WXGA)
	Colors	16.7M	16.7M
	Viewing Angles	176(H) / 176(V)	178(H) / 178(V)
	Brightness	350	500
	Contrast Ratio	1500:1	1500:1
	Response Time (Tr+Tf)	20 ms	20 ms
	Audio Output	AMP 6W + 6W	AMP 10W + AMP 10W
Input Connectors	D-Sub 15 pin video	1 rear	
	DVI-D		
	Component		
	S-Video		
	RCA Video Input		
	RCA Audio Left/Right Cannel		
	Audio In		
Features	SAW Touch Panel	Optional	-
	Ambient Light Sensor	Yes	Yes
	OSD (On-Screen-Display) Controls	Push button, IR Remote Controller	
	Software OSD Control Via VGA/DVI	Yes	Yes
	PIP	Yes	Yes
Power Source		100-240 VAC (50/60Hz) Universal	
Temperature		Operating: 0° to 40°C Storage: -10° to 50°C	
Dimensions (W x H x D) (mm)		624 x 427 x 96	989 x 681 x 131
Mounting		VESA 200mm x 100mm	VESA 400mm x 200mm

Options

Mounting Kits	Model	
	26" LCD	42" LCD
WALL MOUNTS	AFLWK-42	
WALL ARMS	ARMMT-26	
Stand	STAND-A26	N/A
Ceiling Mount Kit	CEILMT-01	

Packing List

Item	Part No.	Remark
Power Cord	32000-000002-RS	Length:180cm
VGA Cable	32000-036200-RS	Length:180cm
Audio Cable	32000-036500-RS	Length:180cm
Component Extend Cable	32000-088100-RS	Length:170cm
DVI Cable	32000-086600-RS	Length:180cm for AFL-15M / 17M / 19M
User's Manual CD-ROM	7B000-000087-RS	
Remote Control	7Z000-8T00322ICP01G-RS	
Touch Screen RS-232 Cable	32000-000098-RS	Length:180cm for Touch Screen Models
Touch screen USB cable	32000-045801-RS	Length:150cm for touch screen



Remote Control



Component Extend Cable

Ordering Information

LCD		Model	Description
26"	SAW Touch	AFL-26M/T-S-R10	26" 350cd/m ² WUXGA monitor, plastic front panel, 26" SAW touch screen, with software OSD, RoHS
	Tempered Glass	AFL-26M-R10	26" 350cd/m ² WUXGA monitor, plastic front panel, with tempered glass protection, RoHS
42"	Tempered Glass	AFL-642M-R10	42" 500cd/m ² WXGA monitor, with tempered glass protection, RoHS

1

Application
Server
Platform

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Single
Board
Computer

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IBX Series
POS PC

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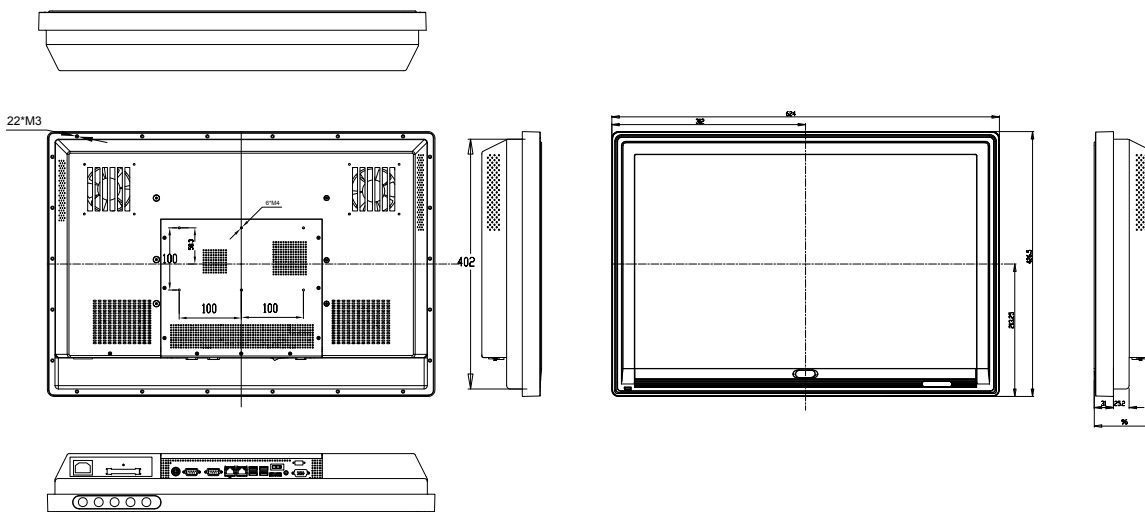
Power
Supply

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Peripherals

Dimensions

AFL-26M



AFL-642M

